

IN THE CLAIMS

1-6. Canceled.

7. (Original) An automatic analyzer provided with an analysis means for analyzing the physical properties of a specimen where said specimen and a reagent poured into a reaction vessel are to be analyzed, said automatic analyzer comprising:

an acoustic wave generation means installed outside said reaction vessel for irradiating acoustic waves toward said reaction vessel, and

a control means for controlling a position for irradiation of acoustic waves by said acoustic wave generating means according to a liquid level of said specimen and reagent and physical properties of the objects to be analyzed.

8. (Original) An automatic analyzer according to claim 7 further comprising a storage means for storing the acoustic wave irradiation position in an associated format for each item,

wherein said control means refers to stored data in said storage means to determine the irradiation position in conformance to analysis item for objects to be analyzed.

9. (Original) An automatic analyzer according to claim 7 further comprising a storage means for storing an amount of specimen and reagent required for each item in an associated format,

wherein said control means refers to stored data in said storage means to calculate the liquid level of the specimen and reagent inside the reaction vessel in conformance to analysis item for objects to be analyzed, and to determine the irradiation position according to the calculated liquid level.

10. (Original) An automatic analyzer according to claim 7 further comprising a receiving means to receive the command on the position for irradiation of acoustic waves by said acoustic wave generating means,

wherein said control means determines the irradiation position according to the command received by said receiving means.

11. (Original) An automatic analyzer provided with an analysis means for analyzing the physical properties of a specimen where said specimen and reagent poured into a reaction vessel are to be analyzed, said automatic analyzer comprising:

an acoustic wave generation means installed outside said reaction vessel for irradiating acoustic waves toward said reaction vessel, and

a control means for controlling an angle for irradiation of acoustic waves by said acoustic wave generating means according to a liquid level of said specimen and reagent and physical properties of the objects to be analyzed.

12. (Original) An automatic analyzer according to claim 7 further comprising a storage means for storing the acoustic wave irradiation intensity in an associated format for each analysis item,

wherein said control means refers to stored data in said storage means to determine the irradiation intensity in conformance to analysis item for objects to be analyzed.

13. (Original) An automatic analyzer according to claim 7 further comprising a storage means for storing the acoustic wave irradiation intensity in an associated format for each information on reagent,

wherein said control means refers to stored data in said storage means to determine the irradiation intensity in conformance to the reagent to be analyzed.

14. (Original) An automatic analyzer according to claim 7 further comprising a reading means for reading the information on acoustic wave irradiation intensity recorded in the reaction bottle containing the reagent before it is poured into said reaction vessel,

wherein said control means refers to the reading of said reading means to determine irradiation intensity in conformance to the reagent as an object to be analyzed.

15. (Original) An automatic analyzer according to claim 7 further comprising a receiving means for receiving the command on the intensity for irradiation of acoustic waves by said acoustic wave generating means,

wherein said control means determines the irradiation intensity according to the command received by said receiving means.

16. (Original) An automatic analyzer provided with an analysis means for analyzing the physical properties of a specimen where said specimen and reagent poured into a reaction vessel are to be analyzed, said automatic analyzer comprising:

an acoustic wave generation means installed outside said reaction vessel for irradiating acoustic waves toward said reaction vessel, and

a control means for controlling at least one of a position, an angle and an intensity for irradiation of acoustic waves by said acoustic wave generating means according to a liquid level of said specimen and reagent and physical properties of the objects to be analyzed.